

IN THE CLAIMS

1-19 (canceled)

20. (currently amended) A method of transmission in a multi-frame system, each frame of the multi-frame system being associated with a first type of control information, there further being provided a second type of control information comprising a code word, the method comprising:

- a. partitioning the second type of control information into a number of sections ~~corresponding to the number of frames in the multi-frame;~~
- b. forming a plurality of consecutive data frames for transmission, the number of consecutive data frames corresponding to the number of sections into which the code word is partitioned; and
- c. transmitting with each frame of the plurality of consecutive data frames in the multi-frame:
 - i. the first type of control information for the respective frame; and
 - ii. a section of the partitioned second type of control information.

21. (previously presented) A method according to claim 20 wherein the second type of control information is for use on receipt of the multi-frame.

22. (previously presented) A method according to claim 20 further comprising the step of, on receipt of the multi-frame, reforming the second type of control information.

23. (previously presented) A method according to claim 20 wherein the transmission is in a downlink of a communication system, the first type of control information representing a

coding mode applied in the downlink, and the second type of control information representing a coding mode to be applied in an uplink of the communication system.

24. (previously presented) A method according to claim 20 wherein the transmission is in an uplink of a communication system, the first type of control information representing a coding mode applied in the uplink, and the second type of control information representing a downlink quality measured in the downlink.

25. (previously presented) A method according to claim 20 wherein the step of transmitting further comprises transmitting data with each frame.

26. (previously presented) A method according to claim 25 wherein the step of transmitting comprises channel encoding said data and said section of the second type of control information.

27. (previously presented) A method according to claim 26 further comprising channel coding the first type of control information.

28. (previously presented) A method according to claim 27 further comprising frame formatting and interleaving the channel coded first type of control information, data, and section of the second type of control information.

29. (currently amended) A method of transmission in a multi-frame system, each frame of the multi-frame system being associated with a first type of control information, there further being provided a second type of control information comprising a code word, wherein each frame of a plurality of consecutive frames in the multi-frame sequence is transmitted with the first type of control information for the respective frame; and a section of a partitioned second type of control information the number of frames of the plurality of consecutive

frames in the multi-frame sequence corresponding to the number of sections into which the control information is partitioned,
the method comprising:

- a. receiving frames of the multi-frame; and
- b. reforming the sections of the second type of control information into the code word~~second type of control~~
_____ information.

30. (previously presented) A method according to claim 29 further comprising the step of decoding the received frames in accordance with a mode code derived from the first type of control information for each frame.

31. (currently amended) A method according to claim 29 further comprising encoding frames for transmission depending on the reformed code word~~second type of control information~~.

32. (currently amended) A communication device for a multi-frame transmission communication system, each frame of the communication system being associated with a first type of control information, there further being provided a second type of control information comprising a code word, the communication device comprising:

- a. partitioning means adapted to partition the second type of control information into a number of sections corresponding to ~~the~~ a number of a plurality of consecutive frames in the multi-frame;
- b. transmitter means adapted to transmit with each of the plurality of frames of the multi-frame:
 - i. the first type of control information for the respective frame; and

- ii. a section of the second type of control information.

33. (currently amended) A communication device for a multi-frame transmission communication system, each frame of the communication system being associated with a first type of control information, there further being provided a second type of control information comprising a code word, wherein each frame of a plurality of consecutive frames in the multi-frame transmission communication system is transmitted with the first type of control information for the respective frame; and a section of a partitioned second type of control information, the communication device comprising:

- a. receiving means for receiving frames of the multi-frame; and
- b. reforming means for reforming the sections of the second type of control information into the code word~~second type of control information~~.

34. (currently amended) A multi-frame transmission communication system, each frame of the communication system being associated with a first type of control information, there further being provided a second type of control information comprising a code word, the communication system comprising:

- a. a first device having a partitioning means adapted to partition the code word of the second type of control information ~~second type of control information~~ into a number of sections ~~corresponding to the number of frames in the multi-frame~~, and transmitter means adapted to transmit with each frame of the sequence of consecutive frames in the multi-frame, the first type of control information for the respective frame, and a section of the second type of control information

wherein each section is placed in a separate frame in a sequence of consecutive frames, the number of sections corresponding to the number of frames in the sequence of frames; and

- b. a second device having a receiver means adapted to receive frames of a multi-frame transmission from the first device, and means for reforming the partitioned second type of control information into the code word.

35. (previously presented) A multi-frame transmission communication system according to claim 34 wherein the second device is adapted to decode the frames of the multi-frame transmission in dependence on the first type of control information contained in a received frame.

36. (currently amended) A multi-frame transmission communication system according to claim 35 wherein the second device further comprises encoding means for encoding data for transmission using a mode code based on the reformed ~~second control information~~ code word and transmission means for transmitting the encoded data to the first device.

37. (currently amended) A multi-frame transmission communication system according to claim 34 wherein the first device is a fixed part of the communication system and the second device is a mobile part of the communication system and there is an uplink established from the mobile part of the communication system ~~second device~~ to the fixed part of the communication system ~~first device~~.

38. (currently amended) A multi-frame transmission communication system according to claim 34 wherein the first device is a fixed part of the communication system and the second device is a mobile part of the communication system and there is downlink established from the fixed part of the

communication system ~~first device~~ to the mobile part of the
communication system ~~second device~~.